

## Claims

1. An apparatus comprising:
  - a video receiver to receive a video signal with encoded text data;
  - a decoder to decode the encoded text data;
  - a text translator to translate the decoded text data from the language in which the text is received to a second language; and
  - a video processor to combine the translated text data with a video portion of the video signal for display.
2. The apparatus of Claim 1, wherein the encoded text data comprises closed caption text.
3. The apparatus of Claim 1, wherein the text translator further comprises a dictionary and a processor to apply the decoded text data to the dictionary to translate the text data.
4. The apparatus of Claim 1, wherein the video processor generates character images of the translated text data and superimposes the character images over images of the video portion of the video signal.

5. An article comprising a machine-readable medium having stored thereon data representing instructions which, when executed by a machine, cause the machine to perform operations comprising:

receiving a video signal with encoded text data;

decoding the encoded text data;

translating the decoded text data from the language in which the text is received to a second language; and

combining the translated text data with a video portion of the video signal for display.

6. The article of Claim 5, wherein translating the text data further comprises applying phrases in the decoded text data to a phrase dictionary.

7. An apparatus comprising:

a video receiver to receive a video signal with encoded text data;

a decoder to decode the encoded text data;

a text processor to process the decoded text data; and

a video processor to combine the processed text data with a video portion of the video signal for display.

8. The apparatus of Claim 7, wherein the decoder reads data from a vertical blanking interval of the video signal.

9. The apparatus of Claim 7, wherein the decoder comprises a digital video transport stream decoder.

10. The apparatus of Claim 7, wherein the text processor further comprises a dictionary and a processor to apply the decoded text data to the dictionary to translate the text data.

11. The apparatus of Claim 7, wherein the text processor further comprises a dictionary and a processor to apply the decoded text data to the dictionary to correct the text data.

12. The apparatus of Claim 7, wherein the video processor generates character images of the translated text data and superimposes the character images over images of the video portion of the video signal.

13. The apparatus of Claim 7, wherein the video processor encodes the translated text into text data and substitutes the encoded translated text data for the encoded text data of the received video signal.

14. A method comprising:  
receiving a video signal with encoded text data;  
decoding the encoded text data;  
processing the decoded text data; and

combining the processed text data with a video portion of the video signal for display.

15. The method of Claim 14, wherein decoding the text data comprises decoding a text signal from a vertical blanking interval of the video signal.

16. The method of Claim 14, wherein decoding the text data comprises extracting a text data packet from a video transport stream of the video signal.

17. The method of Claim 14, wherein processing the text data comprises applying phrases in the decoded text to a phrase dictionary.

18. The method of Claim 14, wherein combining comprises generating character images of the processed text data and superimposing the character images over images of the video portion of the video signal.

19. The method of Claim 14, wherein combining comprises encoding the processed text into text data and substituting the encoded translated text data for the encoded text data of the received video signal.

20. An article comprising a machine-readable medium having stored thereon data representing instructions which, when executed by a machine, cause the machine to perform operations comprising:

receiving a video signal with encoded text data;  
decoding the encoded text data;  
processing the decoded text data; and  
combining the processed text data with a video portion of the video signal for display.

21. The article of Claim 20, wherein the decoding the text data comprises extracting a text data packet from a video transport stream of the video signal.

22. The article of Claim 20, wherein processing the text data further comprises applying phrases in the decoded text data to a phrase dictionary.

23. The article of Claim 20, wherein combining further comprises generating character images of the translated text data and superimposing the character images over images of the video portion of the video signal.

24. The article of Claim 20, wherein combining further comprises encoding the processed text data and substituting the encoded processed text data for the encoded text data of the received video signal.

25. A wireless video receiver comprising:  
a video receiver to receive a wireless video signal with encoded text data;  
a decoder to decode the encoded text data;

a text processor to process the decoded text data; and  
a video processor to combine the processed text data with a video portion of the video signal for display.

26. The tuner of Claim 25, wherein the decoder reads data from a vertical blanking interval of the video signal.

27. The tuner of Claim 25, wherein the decoder comprises a digital video transport stream decoder.

28. The tuner of Claim 25, wherein the text processor further comprises a dictionary and a processor to apply the decoded text data to the dictionary to obtain the processed text data.

29. The tuner of Claim 25, wherein the video processor generates character images of the processed text data and superimposes the character images over images of the video portion of the video signal.

30. The tuner of Claim 25, wherein the video processor encodes the processed text into text data and substitutes the encoded processed text data for the encoded text data of the received video signal.